

SMOKE DETECTION PANEL XL No.7 SCHEDULE 'A' (SINGLE ADDRESS INPUTS)				
INPUT		OUTPUT		
ADDRESS	INITIATING DEVICES	ANNUNCIATOR MESSAGES	ACTIVATED RELAYS	ACTIVATED HVAC EQUIPMENT
071101	DUCT SMOKE DETECTOR	E-108-11 EXH FAN SHUTDOWN TWR I	POX-28-103 POX-21-033	E-108-11 SHUTDOWN ACS-108-10
071102	AREA SMOKE DETECTOR	ACS-108-10 AREA ALARM		
071103	DUCT SMOKE DETECTOR	ACS-108-10 DUCT ALARM	POX-21-033	ACS-108-10
071104	AREA SMOKE DETECTOR	ACS-108-12 AREA ALARM		
071105	DUCT SMOKE DETECTOR	ACS-108-12 DUCT ALARM	POX-22-041	ACS-108-12
071106	DUCT SMOKE DETECTOR			
071107	AREA SMOKE DETECTOR	ACS-108-4 AREA ALARM	POX-20-021	ACS-108-4
071108	DUCT SMOKE DETECTOR	ACS-108-4 DUCT ALARM		
071109	AREA SMOKE DETECTOR	ACS-108-8 AREA ALARM	POX-21-031	ACS-108-8
071110	DUCT SMOKE DETECTOR	ACS-108-8 DUCT ALARM		
071111	DUCT SMOKE DETECTOR	ACR-108-8 SHUTDOWN	GROUP A	GROUP A
071112	DUCT SMOKE DETECTOR	ACR-108-7 SHUTDOWN		
071113	DUCT SMOKE DETECTOR	E-108-15 EXH FAN SHUTDOWN	POX-29-113	E-108-15
071114	DUCT SMOKE DETECTOR	ACS-109-1 DUCT ALARM	POX-23-052	ACS-109-1
071115	AREA SMOKE DETECTOR	SMOKE IN TEL CLOS 107 SW		
071116	AREA SMOKE DETECTOR			
071117	AREA SMOKE DETECTOR	SMOKE IN SUB 108S		
071118	AREA SMOKE DETECTOR		SPX-13-014	ALARM STATIONS
071119	MANUAL PULL STATION			
071120	MANUAL PULL STATION	PULL STATION IN SUB 108S		
071121	MANUAL PULL STATION			
071201	AREA SMOKE DETECTOR	ACS-108-3 AREA ALARM TWR I		
071202	DUCT SMOKE DETECTOR	ACS-108-3 DUCT ALARM	POX-19-014	ACS-108-3 SHUTDOWN
071203	AREA SMOKE DETECTOR	ACS-108-7 AREA ALARM		
071204	DUCT SMOKE DETECTOR	ACS-108-7 DUCT ALARM	POX-20-024	ACS-108-7
071205	AREA SMOKE DETECTOR	ACS-108-11 AREA ALARM	POX-21-034	ACS-108-11
071206	DUCT SMOKE DETECTOR	ACS-108-11 DUCT ALARM		
071207	AREA SMOKE DETECTOR	ACS-107-T1 AREA ALARM		
071208	DUCT SMOKE DETECTOR	ACS-107-T1 DUCT ALARM	POX-22-044	ACS-107-T1
071209	DUCT SMOKE DETECTOR			
071210	AREA SMOKE DETECTOR	ACS-106-T1 AREA ALARM	POX-22-043	ACS-106-T1
071211	DUCT SMOKE DETECTOR	ACS-106-T1 DUCT ALARM		
071212	DUCT SMOKE DETECTOR	ACR-108-6 SHUTDOWN	GROUP A	GROUP A
071213	DUCT SMOKE DETECTOR	ACR-108-5 SHUTDOWN		
071214	DUCT SMOKE DETECTOR		POX-22-043 POX-21-034 POX-26-082	ACS-106-T1 ACS-108-11 ACS-108-T1
071215	DUCT SMOKE DETECTOR	ACR-106-T1 SHUTDOWN		
071216	AREA SMOKE DETECTOR	E-108-13 EXH FAN SHUTDOWN	POX-29-111	E-108-13
071217	DUCT SMOKE DETECTOR	E-108-10 EXH FAN SHUTDOWN	POX-28-102	E-108-10
071218	DUCT SMOKE DETECTOR	E-107-T7 EXH FAN SHUTDOWN	POX-28-101 POX-23-052	E-107-T7 ACS-109-1
071219	AREA SMOKE DETECTOR	SMOKE IN TEL CLOS 107 SE		
071220	AREA SMOKE DETECTOR			
071221	AREA SMOKE DETECTOR	SMOKE IN SUB 109	SPX-18-063	ALARM STATIONS
071222	AREA SMOKE DETECTOR			
071223	AREA SMOKE DETECTOR			
071224	AREA SMOKE DETECTOR			
071225	MANUAL PULL STATION	PULL STATION IN SUB 109		
		GROUP A	POX-25-071 POX-25-072 POX-25-073 POX-25-074 POX-19-014 POX-20-021 POX-20-024 POX-21-031 POX-21-033 POX-22-041 POX-23-052	ACR-108-5 SHUTDOWN ACR-108-6 ACR-108-7 ACR-108-8 ACS-108-3 ACS-108-4 ACS-108-7 ACS-108-8 ACS-108-10 ACS-108-12 ACS-109-1
071301	AREA SMOKE DETECTOR	E-108-12 EXH FAN SHUTDOWN TWR I	POX-28-104	E-108-12 SHUTDOWN
071302	AREA SMOKE DETECTOR	ACS-107-T2 AREA ALARM		
071303	DUCT SMOKE DETECTOR	ACS-107-T2 DUCT ALARM	POX-23-051	ACS-107-T2
071304	AREA SMOKE DETECTOR	ACS-108-9 AREA ALARM		
071305	DUCT SMOKE DETECTOR	ACS-108-9 DUCT ALARM	POX-21-032	ACS-108-9
071306	AREA SMOKE DETECTOR	ACS-108-5 AREA ALARM		
071307	DUCT SMOKE DETECTOR	ACS-108-5 DUCT ALARM	POX-20-022	ACS-108-5
071308	AREA SMOKE DETECTOR	ACS-108-1 AREA ALARM		
071309	DUCT SMOKE DETECTOR	ACS-108-1 DUCT ALARM	POX-19-012	ACS-108-1
071310	DUCT SMOKE DETECTOR	ACR-107-T1 SHUTDOWN	POX-26-081 POX-23-051 POX-21-034	ACR-107-T1 ACS-107-T2 ACS-108-11
071311	DUCT SMOKE DETECTOR	ACR-108-1 SHUTDOWN		
071312	DUCT SMOKE DETECTOR	ACR-108-2 SHUTDOWN	GROUP B	GROUP B
071313	AREA SMOKE DETECTOR	SMOKE IN TEL CLOS 107 NW		
071314	AREA SMOKE DETECTOR			
071315	AREA SMOKE DETECTOR	SMOKE IN SUB 108N		
071316	AREA SMOKE DETECTOR		SPX-14-024	ALARM STATIONS
071317	MANUAL PULL STATION	PULL STATION IN SUB 108N		
071318	MANUAL PULL STATION			
071401	DUCT SMOKE DETECTOR	E-108-14 EXH FAN SHUTDOWN TWR I	POX-29-112	E-108-14 SHUTDOWN
071402	AREA SMOKE DETECTOR	ACS-108-6 AREA ALARM		
071403	DUCT SMOKE DETECTOR	ACS-108-6 DUCT ALARM	POX-20-023	ACS-108-6
071404	AREA SMOKE DETECTOR	ACS-108-13 AREA ALARM		
071405	DUCT SMOKE DETECTOR	ACS-108-13 DUCT ALARM	POX-22-042	ACS-108-13
071406	DUCT SMOKE DETECTOR			
071407	AREA SMOKE DETECTOR	ACS-108-2 AREA ALARM		
071408	DUCT SMOKE DETECTOR	ACS-108-2 DUCT ALARM	POX-19-013	ACS-108-2
071409	DUCT SMOKE DETECTOR	ACR-108-3 SHUTDOWN	GROUP B	GROUP B
071410	DUCT SMOKE DETECTOR	ACR-108-4 SHUTDOWN		
071411	AREA SMOKE DETECTOR	SMOKE IN TEL CLOS 107 NE		
		GROUP B	POX-24-061 POX-24-062 POX-24-063 POX-24-064 POX-19-012 POX-19-013 POX-20-022 POX-20-023 POX-21-032 POX-22-042	ACR-108-1 SHUTDOWN ACR-108-2 ACR-108-3 ACR-108-4 ACS-108-1 ACS-108-2 ACS-108-5 ACS-108-6 ACS-108-9 ACS-108-13
072101	TAMPER SWITCH	TAMPER SWITCH 108 MER TWR I	N/A	N/A
072102	WATER FLOW SWITCH	WATER FLOW 108 MER	N/A	N/A
072103	PURGE SWITCH 108 NE	BY-PASS ACTIVATED 7NE	N/A	N/A
072104	PURGE SWITCH 108 NW	BY-PASS ACTIVATED 7NW	N/A	N/A
072105	PURGE SWITCH 108 SE	BY-PASS ACTIVATED 7SE	N/A	N/A
072106	PURGE SWITCH 108 SW	BY-PASS ACTIVATED 7SW	N/A	N/A

SMOKE DETECTION PANEL XL No.7 SCHEDULE 'B' (DUAL ADDRESS INPUTS)							
INPUT			OUTPUT				REMARKS
ADDRESS No. 1	ADDRESS No. 2	INITIATING DEVICES	RESULTING ADDRESS	ANNUNCIATOR MESSAGES	ACTIVATED RELAYS	ACTIVATED HVAC EQUIPMENT	
071102	071103				SPX-16-043 GROUP C	DELUGE SOL VALVE ACS-108-10 GROUP C	
071104	071105						
071104	071106				SPX-17-051 GROUP C	DELUGE SOL VALVE ACS-108-12 GROUP C	
071107	071108	POX-31-131			SPX-15-031 GROUP C	DELUGE SOL VALVE ACS-108-4 GROUP C	
071109	071110	INTERFACE MODULE TRX-2R-7-7	071130	SOL VALVE DUMP 108 SOUTH TWR I	SPX-16-041 GROUP C	DELUGE SOL VALVE ACS-108-8 GROUP C	
071201	071202				SPX-14-023 GROUP C	DELUGE SOL VALVE ACS-108-3 GROUP C	
071203	071204				SPX-15-034 GROUP C	DELUGE SOL VALVE ACS-108-7 GROUP C	
071205	071206				SPX-16-044	DELUGE SOL VALVE ACS-108-11	
071207	071208						
071207	071209				SPX-17-054 GROUP C	DELUGE SOL VALVE ACS-107-T1 GROUP C	
071210	071211	POX-31-133 INTERFACE MODULE TRX-2R-7-10	071230	DELUGE ACS-106-T1 TWR I	SPX-17-053	DELUGE SOL VALVE ACS-106-T1	
071210	071212						
		GROUP C			POX-25-071 POX-25-072 POX-25-073 POX-25-074 POX-19-014 POX-20-021 POX-20-024 POX-21-031 POX-21-033 POX-22-041 POX-22-043 POX-22-044	RETURN AIR FAN ACR-108-5 SHUTDOWN RETURN AIR FAN ACR-108-6 RETURN AIR FAN ACR-108-7 RETURN AIR FAN ACR-108-8 SUPPLY FAN ACS-108-3 SUPPLY FAN ACS-108-4 SUPPLY FAN ACS-108-7 SUPPLY FAN ACS-108-8 SUPPLY FAN ACS-108-10 SUPPLY FAN ACS-108-12 SUPPLY FAN ACS-106-T1 SUPPLY FAN ACS-107-T1	
071302	071303	POX-31-134 INTERFACE MODULE TRX-2R-7-10	071329	DELUGE ACS-107-T2 TWR I	SPX-18-061 POX-26-081	DELUGE SOL VALVE ACS-107-T2 RETURN AIR FAN ACR-107-T1 SHUTDOWN	
071304	071305				SPX-16-042 GROUP D	DELUGE SOL VALVE ACS-108-9 GROUP D	
071306	071307				SPX-15-032 GROUP D	DELUGE SOL VALVE ACS-108-5 GROUP D	
071308	071309	POX-31-132 INTERFACE MODULE TRX-2R-7-8	071330	SOL VALVE DUMP 108 NORTH TWR I	SPX-14-021 GROUP D	DELUGE SOL VALVE ACS-108-1 GROUP D	
071402	071403				SPX-15-033 GROUP D	DELUGE SOL VALVE ACS-108-6 GROUP D	
071404	071405				SPX-17-052 GROUP D	DELUGE SOL VALVE ACS-108-13 GROUP D	
071404	071406						
071407	071408				SPX-14-022 GROUP D	DELUGE SOL VALVE ACS-108-2 GROUP D	
		GROUP D			POX-24-061 POX-24-062 POX-24-063 POX-24-064 POX-19-012 POX-19-013 POX-20-022 POX-20-023 POX-21-032 POX-22-042	RETURN AIR FAN ACR-108-1 SHUTDOWN RETURN AIR FAN ACR-108-2 RETURN AIR FAN ACR-108-3 RETURN AIR FAN ACR-108-4 SUPPLY FAN ACS-108-1 SUPPLY FAN ACS-108-2 SUPPLY FAN ACS-108-5 SUPPLY FAN ACS-108-6 SUPPLY FAN ACS-108-9 SUPPLY FAN ACS-108-13	



**THE PORT AUTHORITY
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Engineering Department
Design Divisions

**World
Trade
Center**

Title
**TOWER M.E.R'S
SPRINKLER INSTALLATION
AND MODIFICATION
TO SMOKE DETECTION
SYSTEM**

ELECTRICAL
**SMOKE DETECTION PANEL
XL No.7 ANNUNCIATOR
MESSAGE AND
SHUTDOWN SCHEDULE**

No. Date Revision Approved

This drawing subject to conditions in contract.
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DaCosta/
AVENOSO AVENOSO PALANGO
Designed by Drawn by Task Leader

Checked by *[Signature]*

Date 5-15-90 Scale NONE

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